BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Bharathnagar Baloon Factory in Ward No. 6 Byatarayanapura Sub Division

							Estimate Cost Rs.		4000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	For Slab Drain		1	120	0.75	0.75	67.50		
			1	120	0.75	0.75	67.50		
			1	100	0.75	0.75	56.25		
			1	100	0.75	0.75	56.25		
			1	40	0.75	0.75	22.50		
			1	40	0.75	0.75	22.50		
	RCC Drain 1st main		1	183.00	0.90	0.75	123.53		
	For Culverts		8	6.50	1.95	1.05	106.47		
							522.50	288.36	**150667.00**
	Basic Rate	267.00							
	Area Weightage @ 8%	21.36							
	Total	**288.36**							
2	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2015-16	**Sqm**							
	For Slab Drain		1	120	1.65		198.00		
			1	120	1.65		198.00		
			1	100	1.65		165.00		
			1	100	1.65		165.00		
			1	40	1.65		66.00		
			1	40	1.65		66.00		
							858.00	663.12	**568957.00**
	Basic Rate	614.00							
	Area Weightage @ 8%	49.12							
	Total	**663.12**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	Cum							
	For CC Road Cross Road		1	120	4.50	0.15	81.00		
			1	120	4.50	0.15	81.00		
			1	100	4.50	0.15	67.50		
			1	100	4.50	0.15	67.50		
			1	40	4.50	0.15	27.00		
			1	40	4.50	0.15	27.00		
	For Culverts		8	6.50	1.95	0.15	15.21		
	For RCC Drain		1	183.00	0.90	0.15	24.71		
							39.92	5070.60	**202393.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2015-16	cum							
	For Culverts		8X2	6.50	0.60	0.45	28.08		
							28.08	4135.32	**116120.00**
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	**4135.32**							
5	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	Sqm							
	For Culverts		8X2	6.50	0.50	0.45	23.40		
							23.40	**4905.36**	**114785.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015-16	Sqm							
	For CC Drain		1X4	183.00	0.60		439.20		
	For Culverts		8	6.50	0.60		31.20		
	For Sides		8X2	6.50	0.23		23.92		
			8X2	1.65	0.23		6.07		
							500.39	**270.00**	**135106.00**
	Basic Rate	**250.00**							
	Area Weightage @ 8%	20.00							
	Total	**270.00**							
7	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	cum							
	For Culverts		8X2	6.50	0.50	0.10	5.20		
	Vent Bed		8	6.50	0.60	0.10	3.12		
							8.32	5491.80	**45692.00**
	Basic Rate	5085.00							
	Area Weightage @ 8%	406.80							
	Total	**5491.80**							
8	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2015-16	Sqm							
	For Culverts		8X2	6.50		0.50	52.00		
							52.00	99.36	**5167.00**
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	**99.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	**Cum**							
	For Culverts		8	6.50	1.65	0.23	19.73		
	For RCC Drain Bottom Slab		1	183.00	0.90	0.10	16.47		
	Side Walls		1X2	183.00	0.15	0.60	32.94		
							69.14	6198.12	**428563.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	**Qtl**							
	0.80Ton/Cum		0.076	69.14			**5.25**	69805.80	**366826.00**
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	**69805.80**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16	Cum							
	For CC Road Cross Road		1	120	4.50	0.10	54.00		
			1	120	4.50	0.10	54.00		
			1	100	4.50	0.10	45.00		
			1	100	4.50	0.10	45.00		
			1	40	4.50	0.10	18.00		
			1	40	4.50	0.10	18.00		
							234.00	6332.04	**1481697.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
13	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2015-16	M							
	For CC Road Cross Road		25	4.50			112.50		
			25	4.50			112.50		
			20	4.50			90.00		
			20	4.50			90.00		
			15	4.50			67.50		
			15	4.50			67.50		
							540.00	150.12	**81065.00**
	Basic Rate	139.00							
	Area Weightage @ 8%	11.12							
	Total	**150.12**							
14	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16	Sqm							
	For CC Road Cross Road		1	120	4.50		540.00		
			1	120	4.50		540.00		
			1	100	4.50		450.00		
			1	100	4.50		450.00		
			1	40	4.50		180.00		
			1	40	4.50		180.00		
							2340.00	97.20	**227448.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				244.85		
	Average Weight of Earth 1.28 Ton/Cum						244.85	62.20	15229.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20							
	Total	67.32					Grand Total		3957298.00
16	For 1% Third Party Inspection Charges								39573.00
17	Miscesallaneous Charges	L/S						Total	3129 4000000.00

Rupees Forty Lakh(s) Only

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Byatarayanapura Division
Yalahanka Zone, B.B.M.P.
Bangalore-560092

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
TECHNICAL SANCTION
Accorded For Rs. 40,00000/-
Head of A/c. P-3075
Div. Ref. No. 13/15-16 Date

Superintending Engineer
EE(BTP)
Yelahanka Zone
BBMP Bangalore

ADMINISTRATIVELY SANCTIONED FOR Rs. 40,00000/-
Rupees Forty Lakhs only
Under P-3075
Registered as EE ( ) No.
Subject to conditions contained in
enclosed memo EE ( ) No.
Dt.
Estimate A/C Sanctioned
No. JC/4/PAT-A5/70/15-16
dated 28-12-2015 Rs. 40,00000/-

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Name of Wrok: Improvements to Roads and Drains at Bharathnagar Baloon Factory in Ward No. 6 Byatarayanapura Sub Division

(17)

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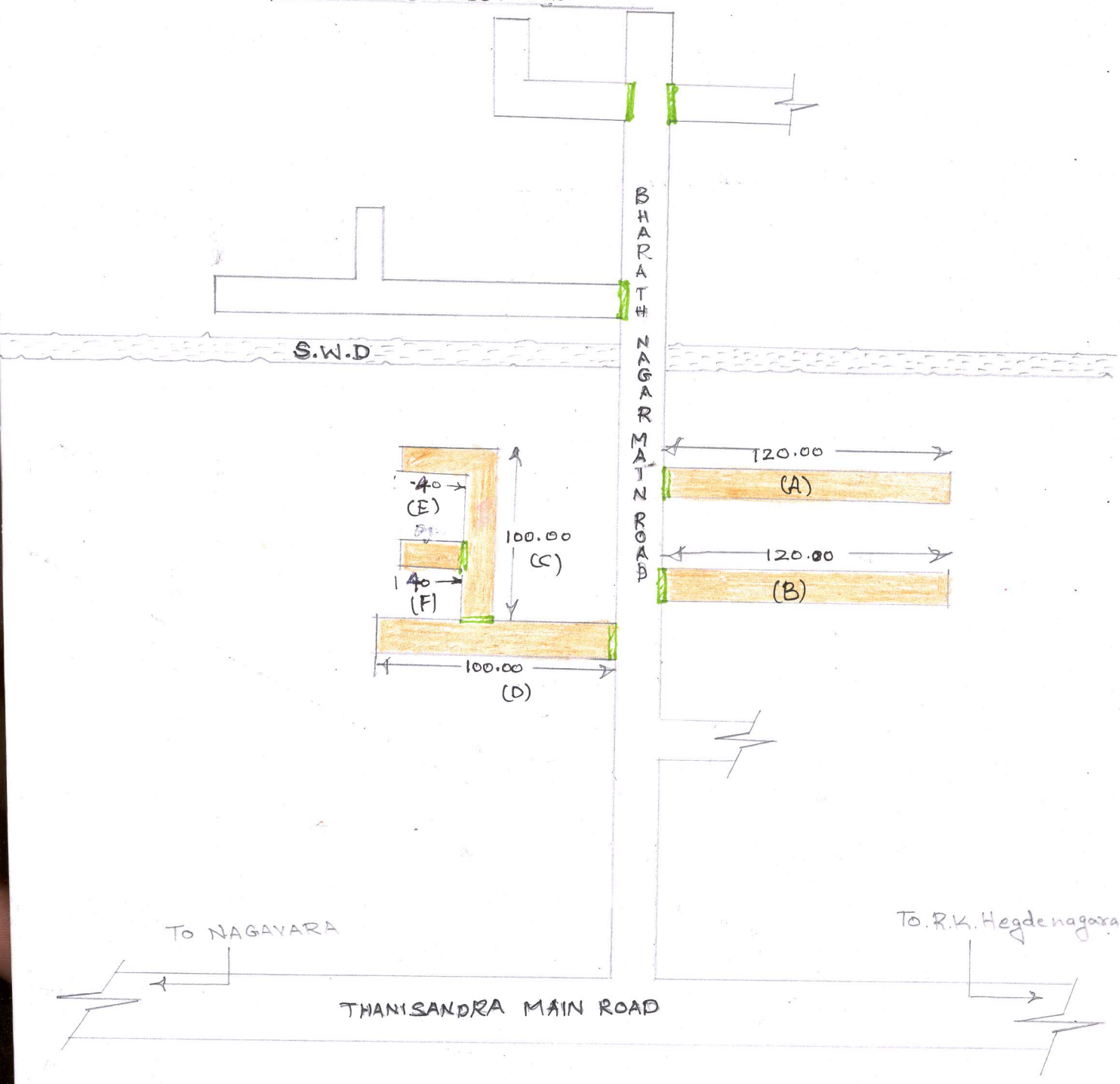
PROPOSED CULVERTS,

PROPOSED CEMENT CONCRETE ROAD



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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